

THE CLAIMS:

1. to 24. (Cancelled)

25. (Currently Amended) A data processing apparatus, comprising:
a scanner processing unit constructed to optically scan an original and generate
a first image data in a first data format which is a RAW format;
a memory management unit constructed to generate a single page management
record for managing the first image data, wherein the memory management unit generates
the single page management record responsive to a request made by the scanner processing
unit when scanning the original;
an encoding unit constructed to generate a second image data from the first
image data, in a second data format other than the RAW format, wherein the first and
second image data represent the same image;
a first data processing unit constructed to execute a first predetermined
processing using the first image data in the RAW format; and
a second data processing unit constructed to execute a second predetermined
processing using the second image data in the second format,

wherein the memory management unit causes the single page management
record to manage the second image data in association with the first image data, such that
the first image data and the second image data are managed together,

wherein the memory management unit manages the single page management record so that the single page management record can be accessed in parallel by the first and the second data processing units, and

wherein the memory management unit deletes the single page management record in a case that (a) a delete request of the page management record is received from at least one of the first data processing unit or the second data processing unit and (b) neither of the first data processing unit or the second data processing unit is referring to the single page management record.

26. (Previously Presented) The data processing apparatus according to Claim 25, wherein the second data format is a JBIG format or a JPEG format.

27. (Currently Amended) A method for controlling a data processing apparatus, comprising:

a scanner processing step of optically scanning an original and generating a first image data in a first data format which is a RAW format, wherein the original is scanned by a scanner processing unit;

a memory management step of generating a single page management record for managing the first image data, in accordance with a request made by the scanner processing unit when it scans the original, wherein the single page management record is generated by a memory management unit; and

an encoding step of generating a second image data from the first image data, in a second data format other than the RAW format, wherein the second image data is

generated by an encoding unit, wherein the first and second image data represent the same image;

wherein the data processing apparatus comprises:

a first data processing unit which executes a first predetermined processing using the first image data in the RAW format; and

a second data processing unit which executes a second predetermined processing using the second image data in the second format, and
wherein the method further comprises performing, by the memory management unit:

a causing step of causing the single page management record to manage the second image data in association with the first image data, such that the first image data and the second image data are managed together;

a managing step of managing the single page management record so that the single page management record can be accessed in parallel by the first and the second data processing units; and

a deleting step of deleting the single page management record in a case that (a) a delete request of the single page management record is received from at least one of the first data processing unit or the second data processing unit and (b) neither of the first data processing unit or the second data processing unit is referring to the single page management record.

28. (Previously Presented) The method according to Claim 27, wherein the second data format is a JBIG format or a JPEG format.